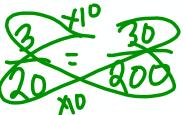


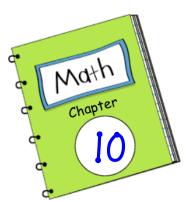
M&Ms activity: Listen to directions!

Failure to follow directions will result in a zero participation grade, multiple demerits, and possibly a trip to the office!



Unit 10 Lesson 7 Experimental Probability Activity			Name					
M&M Probability	have in your has and then	M&	M Bar	Graph				1
count the total number of M&Ms	nave in your bag and then	13						
Blue: Red:	Total:	12						
Green: Yellow:		11						
Brown: Orange:		10						
alculating Probability		9						
Number of favorable outcomes Total number of outcomes	OR Number of M&Ms of one color Total number of M&Ms	8						
/hat are the odds?		7						
		6						
mpossible Unlikely Equally Likely 0 1/4 1/2 0% 25% 50%	Likely Certain 0.75 1 75% 100%	5						
		」 4						
obability of Selecting slue M&M =	Probability of Selecting a Red M&M	3						
shability of Colorina	Probability of Selecting a	2						
obability of Selecting =	Yellow M&M =	- 1						
obability of Selecting a =	Probability of Selecting an Orange M&M			m	m	m	m	m
			Red	Brown	Yellow	Green	Blue	Orange

Using your numbers from the front of this sheet, answer the following. Write your probability as a fraction AND as a percentage. You may use a calculator. If needed, round to the nearest whole percent.					
What is P(red or yellow)?	Is this likely or unlikely?				
What is P(not blue)?	ls this likely or unlikely?				
What is (purple)?	ls this likely or unlikely?				
What is (brown or green)? _	ls this likely or unlikely?				
Given your probability of red *Hint: Use a proportion to fig	1&Ms, about how many would you expect to be in a bag of 100 M&Ms? re this one out.				
	expect red M&Ms.				
Given your probability of yello	w M&Ms, about how many would you expect to be in a bag of 200 M&Ms?				
	expect yellow M&Ms.				



Statistics

Date	Lesson	1 3
4/29		Measures of Center Packet
4/30	2_	Measures of Variability Packet
5/3	1-2	HW Practice WS
5/4	3	MAD Video Notes
5/6	3	#2 and #5 Practice WS
5/6	3	In-Class Question
5/6	3	Reteach WS
5/17	6	Probability of Simple Events Notes
5/17	6	Skills WS
5/19	6	Task Cards Activity
5/20	7	Theoretical vs Experimental Probability VN
5/20	7	In-Class Notes
	I	I .



A pet store sells aquariums in three shapes, hexagon, pentagon, and rectangle, and two sizes, 10 gallons and 20 gallons. How many different fish tanks can be made from the different shapes and sizes?

Probability tree: Shows all possibilities of a compound event happening.

Event 1: event 2:

Shape 10 hex20

Pent 10 pent 10

Pent 20 pent 10

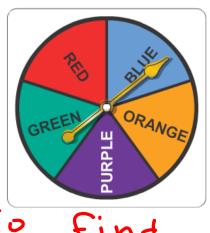
Pent 20 pent 10

Pert 20 pent 10

Pert 20 pent 10

Students are assigned a temporary password the first time they visit the computer lab. Temporary passwords consist of a letter (A, B, or C), followed by a number (1 or 2), followed by a letter (X, Y, or Z). How many different temporary passwords are there?

Lamar is going to spin each spinner once. What is the probability that he will spin red and the number 9?





Probability of a compound event: find probability of each event and then multiply them.

P(rea) p(q)

$$\frac{1}{5} \times \frac{1}{10} = \frac{1}{50} \text{ or } 0.02 = 1$$